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UNITED STATES DEPARTMENT OF AGRICULTURE,
BUREAUS OF ENTOMOLOGY AND PLANT INDUSTRY,
Cooperating with
GEORGIA STATE BOARD OF ENTOMOLOGY.

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Government and State Laboratory,
Fort Valley, Georgia.

1924 SPRAY SCHEDULE FOR GEORGIA PEACHES.

FIRST APPLICATION.

When 75% of the petals (pink
part of flower) have fallen: : One pound powdered arsenate of lead,
plus lime water from three pounds
of stone lime, to each 50 gallons
of water.

SECOND APPLICATION.

When calyces or "shucks" are
shedding, or when small peaches
are exposed: : One pound powdered arsenate of lead,
plus lime water from three pounds
of stone lime, to each 50 gallons
of water.

THIRD APPLICATION.

Two weeks after the second
application, or about four weeks
after the petals have been shed: : Self-boiled lime-sulphur, 8-8-50,
alone. (No arsenate of lead in
this application).

FOURTH APPLICATION.

Four weeks before each variety
is due to ripen: : One pound powdered arsenate of lead
to each 50 gallons of 8-8-50 self-
boiled lime-sulphur.

EARLY VARIETIES: These should be sprayed three times. Use the materials
recommended for the 1st, 2nd, and 4th applications above,
applying them at the time as noted above. For added pro-
tection against brown rot, self-boiled lime-sulphur should
also be used in the second application on the early varie-
ties.

DIRECTIONS FOR PREPARING THE SPRAY MATERIALS.

The 8-8-50 self-boiled lime-sulphur called for in the spraying schedule is
made as follows:

Place 8 pounds of unslaked or stone lime in a 50 gallon barrel, and pour
over it enough water, preferably warm, to start the slaking. As the slaking
starts, add 8 pounds of sulphur. Add water from time to time to keep the mix-
ture from becoming dry, but care should be exercised not to drown the lime,
which would cause the slaking process to stop too soon. After the mixture has
boiled some five minutes, cool off with water, strain into the spray tank, and
dilute with water to make 50 gallons. The mixture should be cooled off before
the red streaks occur in the mixture to any extent, which is an indication of

DIRECTIONS FOR PREPARING THE SPRAY MATERIALS (CONT'D.)

overheating. Avoid underheating, however. Better results will be obtained by crushing all lumps of sulphur and mixing it with a little water before adding to the slaking lime.

The above formula may be raised to 16-16-100 or 32-32-200. A large container should be used, however, in preparing self-boiled lime-sulphur with these formulae. Stock solutions can of course be made up, observing the proportions given.

The powdered arsenate of lead, which is used in the proportion of 1 pound to 50 gallons of the spray solution, should first be made into a thin paste with water before adding to the spray tank.

1924 DUSTING SCHEDULE FOR GEORGIA PEACHES.

FIRST APPLICATION.

When 75% of the petals (pink part of flower) have fallen:	;	Arsenate of lead 5%;
		lime 95%. *

SECOND APPLICATION.

When calyces or "shucks" are shedding, or when small peaches are exposed:	:	Arsenate of lead 5%;
		lime 95%. *

THIRD APPLICATION.

Two weeks after the second application, or about four weeks after the petals have been shed:	:	Sulphur 80%; arsenate of lead 5%; lime 15%.
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FOURTH APPLICATION.

Four weeks before each variety is due to ripen:		Sulphur 80%; arsenate of lead 5%; lime 15%.
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EARLY VARIETIES: Early varieties need only three dust applications, using the formula containing arsenate of lead and lime at the time indicated for the 1st dusting above, and the formula; containing sulphur at the time indicated for the 2nd and 4th dustings above.

* It is not necessary to use sulphur in the first two applications, although the regular formula (80-5-15) may be used if desired.

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